

STATE OF SOUTH CAROLINA

(Caption of Case)

Monthly Fuel Cost Report and Base Load Power
Plant Performance Report

BEFORE THE
PUBLIC SERVICE COMMISSION
OF SOUTH CAROLINA

COVER SHEET

DOCKET

NUMBER: 1989 - 9 - E

(Please type or print)

Submitted by: Catherine E. Heigel

SC Bar Number: 9268

Address: Duke Energy Corporation

Telephone: 704.382.8123

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Charlotte, NC 28201-1006

Other: _____

Email: Catherine.Heigel@duke-energy.com

NOTE: The cover sheet and information contained herein neither replaces nor supplements the filing and service of pleadings or other papers as required by law. This form is required for use by the Public Service Commission of South Carolina for the purpose of docketing and must be filled out completely.

DOCKETING INFORMATION (Check all that apply)

☐ Emergency Relief demanded in petition ☐ Request for item to be placed on Commission's Agenda expeditiously

☐ Other: _____

INDUSTRY (Check one)	NATURE OF ACTION (Check all that apply)			
<input checked="" type="checkbox"/> Electric	<input type="checkbox"/> Affidavit	<input type="checkbox"/> Letter	<input type="checkbox"/> Request	
<input type="checkbox"/> Electric/Gas	<input type="checkbox"/> Agreement	<input type="checkbox"/> Memorandum	<input type="checkbox"/> Request for Certificatio	
<input type="checkbox"/> Electric/Telecommunications	<input type="checkbox"/> Answer	<input type="checkbox"/> Motion	<input type="checkbox"/> Request for Investigator	
<input type="checkbox"/> Electric/Water	<input type="checkbox"/> Appellate Review	<input type="checkbox"/> Objection	<input type="checkbox"/> Resale Agreement	
<input type="checkbox"/> Electric/Water/Telecom.	<input type="checkbox"/> Application	<input type="checkbox"/> Petition	<input type="checkbox"/> Resale Amendment	
<input type="checkbox"/> Electric/Water/Sewer	<input type="checkbox"/> Brief	<input type="checkbox"/> Petition for Reconsideration	<input type="checkbox"/> Reservation Letter	
<input type="checkbox"/> Gas	<input type="checkbox"/> Certificate	<input type="checkbox"/> Petition for Rulemaking	<input type="checkbox"/> Response	
<input type="checkbox"/> Railroad	<input type="checkbox"/> Comments	<input type="checkbox"/> Petition for Rule to Show Cause	<input type="checkbox"/> Response to Discovery	
<input type="checkbox"/> Sewer	<input type="checkbox"/> Complaint	<input type="checkbox"/> Petition to Intervene	<input type="checkbox"/> Return to Petition	
<input type="checkbox"/> Telecommunications	<input type="checkbox"/> Consent Order	<input type="checkbox"/> Petition to Intervene Out of Time	<input type="checkbox"/> Stipulation	
<input type="checkbox"/> Transportation	<input type="checkbox"/> Discovery	<input type="checkbox"/> Prefiled Testimony	<input type="checkbox"/> Subpoena	
<input type="checkbox"/> Water	<input type="checkbox"/> Exhibit	<input type="checkbox"/> Promotion	<input type="checkbox"/> Tariff	
<input type="checkbox"/> Water/Sewer	<input type="checkbox"/> Expedited Consideration	<input type="checkbox"/> Proposed Order	<input type="checkbox"/> Other:	
<input type="checkbox"/> Administrative Matter	<input type="checkbox"/> Interconnection Agreement	<input type="checkbox"/> Protest		
<input type="checkbox"/> Other:	<input type="checkbox"/> Interconnection Amendment	<input type="checkbox"/> Publisher's Affidavit		
	<input type="checkbox"/> Late-Filed Exhibit	<input checked="" type="checkbox"/> Report		



Duke Energy Corporation
526 South Church Street
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CATHERINE E. HEIGEL
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February 4, 2010

Ms. Jocelyn Boyd
Interim Chief Clerk
The Public Service Commission of South Carolina
P. O. Drawer 11649
Columbia, South Carolina 29211

Re: Docket No. 1989-9-E

Dear Ms. Boyd:

Pursuant to the Commission's Orders in the above-captioned docket, enclosed for filing are copies of the following for Duke Energy Carolinas, LLC:

1. Monthly Fuel Cost Report for December 2009 (Exhibit A); and
2. Base Load Power Plant Performance Report for December 2009 (Exhibit B).

For November 2009, the appropriate schedules have been revised due to changes in event data for Catawba Unit 1.

If you have any questions regarding this matter, please call me.

Sincerely,

Catherine E. Heigel

/sch

Enclosures

Copy: Office of Regulatory Staff
Dan Arnett, Chief of Staff
John Flitter
Jeff Nelson

South Carolina Energy Users Committee
Scott Elliott, Esquire

DUKE ENERGY CAROLINAS
SUMMARY OF MONTHLY FUEL REPORT
SC Code Ann. §58-27-865 (Supp. 2008)

Line No.	Fuel Expenses:	December 2009
1	Fuel and fuel-related costs	\$ 132,517,770
2	Less fuel expenses (in line 1) recovered through intersystem sales (a)	<u>7,241,862</u>
3	Total fuel and fuel-related costs (line 1 minus line 2)	<u>\$ 125,275,908</u>
	MWH sales:	
4	Total system sales.	6,852,519
5	Less intersystem sales	<u>201,421</u>
6	Total sales less intersystem sales	<u>6,651,098</u>
7	Total fuel and fuel-related costs (¢/KWH) (c) (line 3/line 6)	<u>1.8835</u>
8	Current fuel and fuel-related cost component (¢/KWH) (per Schedule 4, Line 2 + Line 8)	<u>1.9653</u>
	Generation Mix (MWH):	
	Fossil (by primary fuel type):	
9	Coal	3,588,184
10	Fuel Oil	(1,154)
11	Natural Gas	<u>(107)</u>
12	Total fossil	<u>3,586,923</u>
13	Nuclear 100%	4,885,585
14	Hydro - Conventional	315,103
15	Hydro - Pumped storage	<u>(28,001)</u>
16	Total hydro	<u>287,102</u>
17	Total MWH generation	8,759,610
18	Less joint owners' portion	1,050,136
19	Adjusted total MWH generation	<u>7,709,474</u>
	(a) Line 2 includes:	
	Fuel from intersystem sales (Schedule 3)	\$ 7,211,255
	Fuel in loss compensation	<u>30,607</u>
	Total fuel recovered from intersystem sales	<u>\$ 7,241,862</u>

DUKE ENERGY CAROLINAS
DETAILS OF FUEL AND FUEL-RELATED COSTS
SC Code Ann. §58-27-865 (Supp. 2008)

Fuel and fuel-related costs:

December 2009

Steam Generation - FERC Account 501

0501110 coal consumed - steam	\$ 100,948,640
0501222, 0501223 biomass/test fuel consumed	5,786
0501310 fuel oil consumed - steam	527,263
0501330 fuel oil light-off - steam	758,636
Total Steam Generation - Account 501	<u>102,240,325</u>

Environmental Costs

0509000, 0557451 emission allowance expense	31,979
0502020, 030, 040 reagents expense	3,560,796
Emission allowance gains	(270,000)
Total Environmental Costs	<u>3,322,775</u>

Nuclear Generation - FERC Account 518

0518100 burnup of owned fuel	19,170,173
0518600 nuclear fuel disposal cost	4,581,100
Total Nuclear Generation - 100%	<u>23,751,273</u>
Less joint owners' portion	4,950,391
Total Nuclear Generation - Account 518	<u>18,800,882</u>

Other Generation - FERC Account 547

0547100 natural gas consumed	110,962
0547200 fuel oil consumed - CT	17,782
Total Other Generation - Account 547	<u>128,743</u>

Total fossil and nuclear fuel expenses
included in base fuel component

124,492,726

Fuel related component of purchased and
interchange power per Schedule 3, pages 1 and 2

5,241,604

Fuel related component of purchased
power (economic accrual)

2,783,440

Total fuel and fuel-related costs

\$ 132,517,770

DUKE ENERGY CAROLINAS
DETAILS OF FUEL AND FUEL-RELATED COSTS
SC Code Ann. §58-27-865 (Supp. 2008)

Other fuel expenses not included in
fuel and fuel-related costs:

December 2009

Net proceeds from sale of by-products	\$ 507,507
0501223 biomass avoided fuel cost excess	-
0518610 spent fuel canisters-accrual	199,978
0518620 canister design expense	100,659
0518700 fuel cycle study costs	379,424
Non-fuel component of purchased and interchanged power	<u>5,875,858</u>

Total other fuel expenses not included
in fuel and fuel-related costs:

\$ 7,063,426

Total FERC Account 501 - Total Steam Generation	102,240,325
Total FERC Account 518 - Total Nuclear Generation	19,480,944
Total FERC Account 547 - Other Generation	128,743
Total Reagents Expense	3,560,796
Total Gain/Loss from Sale of By-Products	507,507
Total Emission Allowance Expense	31,979
Total Gain/Loss from Sale of Emission Allowances	(270,000)
Total Purchased and Interchanged Power Expenses	13,900,902
Total Fuel, Fuel Related and Purchased Power Expenses	<u>\$ 139,581,196</u>

Exhibit A

DUKE ENERGY CAROLINAS PURCHASED POWER AND INTERCHANGE SOUTH CAROLINA DECEMBER 2009

Schedule 3
SC, Purchases, Month
Page 1 of 3

Purchased Power		Capacity		Non-Capacity		
Marketers, Utilities, Other	Total \$	MW	\$	MWH	Fuel \$	Non-Fuel \$
Alcoa Power Generating Inc.	35,420	-	-	1,610	21,606	13,814
American Electric Power Serv Corp.	18,300	-	-	500	11,163	7,137
Blue Ridge Electric Membership Corp.	2,241,732	86	1,039,282	49,890	733,494	468,956
City of Kings Mtn	8,979	3	8,979	-	-	-
Haywood Electric	426,187	20	200,518	8,406	137,858	88,011
Lockhart Power Co.	19,272	7	19,272	-	-	-
MISO	1	-	-	-	1	-
NCEMC load following	10,191	-	-	1,019	6,039	4,152
NCMPA #1	3,109,415	-	-	85,613	1,789,626	1,319,789
Oglethorpe	1,500	-	-	100	915	585
Piedmont Electric Membership Corp.	1,147,283	42	525,213	24,906	379,463	242,607
PJM Interconnection LLC	1,456,561	-	-	49,163	888,503	568,058
Progress Energy Carolinas	184,650	-	-	6,150	160,745	23,905
Rutherford Electric Membership Corp.	7,603	-	-	313	4,638	2,965
Southern	21,570	-	-	1,243	13,158	8,412
SPCO - Rowan	1,359,984	456	1,359,984	-	-	-
The Energy Authority	51,016	-	-	1,642	31,120	19,896
Town of Dallas	584	-	584	-	-	-
Town of Forest City	21,024	7	21,024	-	-	-
TVA	12,000	-	-	600	7,320	4,680
Generation Imbalance	132,455	-	-	3,453	77,467	54,988
Energy Imbalance	730,047	-	-	7,134	516,668	213,379
	\$ 10,995,774	621	\$ 3,174,856	241,742	\$ 4,779,584	\$ 3,041,334

Exhibit A

DUKE ENERGY CAROLINAS PURCHASED POWER AND INTERCHANGE SOUTH CAROLINA DECEMBER 2009

Schedule 3
SC, Purchases, Month
Page 2 of 3

Purchased Power	Total	Capacity	Non-Capacity		
Cogen, Purpa, Small Power Producers	\$	MW	\$	MWH	Fuel \$ Non-Fuel \$
203 Neotrantor LLC	46	-	-	1	- 46
Advantage Investment Group, LLC	6,488	-	-	91	- 6,488
AKS Real Estate Holdings LLC	14	-	-	-	- 14
Alamance Hydro, LLC	4,562	-	-	88	- 4,562
Andrews Truss, Inc.	44	-	-	1	- 44
Anna L. Reilly	19	-	-	-	- 19
Aquenergy Corp.	209,809	-	-	3,580	- 209,809
Barbara Ann Evans	3,051	-	-	88	- 3,051
Benjoui Keshgarian	18	-	-	-	- 18
Bruce Marotta	18	-	-	-	- 18
Byron P Matthews	10	-	-	-	- 10
Catawba County	50,189	-	-	1,427	- 50,189
Cherokee County	3,263,870	- 591,354	-	24,458	846,100 1,826,416
Clark H Mizell	41	-	-	1	- 41
Cliffside Mills LLC	11,708	-	-	206	- 11,708
Converse Energy	24,342	-	-	445	- 24,342
Dave K Birkhead	7	-	-	-	- 7
David A Ringenburb	20	-	-	-	- 20
David E. Shi	6	-	-	-	- 6
David H Newman	12	-	-	-	- 12
David M Thomas	31	-	-	1	- 31
David W Walters	21	-	-	1	- 21
David Wiener	13	-	-	-	- 13
Decision Support	113	-	-	2	- 113
Delta Products Corp.	107	-	-	-	- 107
Diana M. Barbacci	5	-	-	-	- 5
Fogleman Construction, Inc	14	-	-	-	- 14
Frances L. Thomson	27	-	-	1	- 27
Gerald Priebe	16	-	-	-	- 16
Gerald W. Meisner	17	-	-	-	- 17
Greenville Gas Producer, LLC	103,730	-	-	2,134	103,730 -
Gwenyth T Reid	14	-	-	-	- 14
H Malcolm Hardy	14	-	-	-	- 14
Haneline Power, LLC	4,503	-	-	77	- 4,503
Haw River Hydro Co	18,183	-	-	569	- 18,183
Hayden-Harman Foundation	7	-	-	-	- 7
Hendrik J Rodenburg	14	-	-	-	- 14
Henry Jay Becker	8	-	-	-	- 8
HMS Holdings Limited Partnership	98	-	-	2	- 98
Holzworth Holdings	2	-	-	-	- 2
Innovative Solar Solutions	19	-	-	-	- 19
Irvine River Company	10,481	-	-	181	- 10,481
Jafesa Farms	83	-	-	1	- 83
James B Sherman	3	-	-	-	- 3
James L Johnson	5	-	-	-	- 5
Jeffery Lynn Pardue	21	-	-	-	- 21
Jerome Levit	4	-	-	-	- 4
Jody Fine	8	-	-	-	- 8
Joel L. Hager	21	-	-	-	- 21
John B Robbins	38	-	-	1	- 38
John H. Dilberti	49	-	-	1	- 49
Keith Adam Smith	11	-	-	-	- 11
Leon's Beauty School, Inc	168	-	-	3	- 168
Linda Alexander	8	-	-	-	- 8
Marilyn M Norfolk	7	-	-	-	- 7
Mark A Powers	5	-	-	-	- 5
Mary K Nicholson	15	-	-	-	- 15
Matthew T. Ewers	11	-	-	-	- 11
Mayo Hydro	28,514	-	-	699	- 28,514
Mill Shoals Hydro	17,336	-	-	488	- 17,336
MP Durham, LLC	101,111	-	-	1,743	85,596 15,515
Northbrook Carolina Hydro	287,463	-	-	4,570	- 287,463
Optima Engineering	41	-	-	1	- 41
Pacificoa HOA	23	-	-	1	- 23
Paul G. Keller	17	-	-	-	- 17
Pelzer Hydro Co.	99,242	-	-	1,825	- 99,242
Peter J Jarosak	5	-	-	-	- 5
Phillip B. Caldwell	18	-	-	-	- 18
Pickins Mill Hydro LLC	13,813	-	-	190	- 13,813
Pippin Home Designs, Inc	9	-	-	-	- 9
PRS-PK Engines, LLC	197	-	-	3	- 197
R Lawrence Ashe Jr	32	-	-	1	- 32
Rajah Y Chacko	9	-	-	-	- 9
Ramona L Sherwood	20	-	-	1	- 20
Raylen Vineyards Inc	55	-	-	1	- 55
Ron B Rozelle	11	-	-	-	- 11
Rousch & Yates Racing Engines, LLC	263	-	-	4	- 263
Salem Energy Systems	104,273	-	-	2,347	- 104,273
Scot Friedman	24	-	-	1	- 24
Shawn Stome	8	-	-	-	- 8
South Yackin Power	11,028	-	-	185	- 11,028
Stanley Chamberlain	19	-	-	-	- 19
Steven Graf	23	-	-	1	- 23
Stewart A Bible	5	-	-	-	- 5
Strates Inc	24	-	-	1	- 24
Sun Capital, Inc	109	-	-	2	- 109
T.S. Designs, Inc.	40	-	-	1	- 40
The Rocket Shop, LLC	9	-	-	-	- 9
Thomas Knox Worde	15	-	-	-	- 15
Thomas W Bates	15	-	-	-	- 15
Town of Chapel Hill	20	-	-	-	- 20
Town of Lake Lure	66,817	-	-	1,840	- 66,817
W. Jefferson Holt	40	-	-	1	- 40
Walter C. McGervey	2	-	-	-	- 2
William Terry Baker	21	-	-	-	- 21
Yves Naar	46	-	-	1	- 46
Energy Imbalance	(72,582)	-	-	-	143,119 (215,701)
	\$ 4,370,304	- \$ 591,354	-	47,069 \$ 1,178,545 \$	2,600,405
TOTAL PURCHASED POWER	\$ 15,366,078	621 \$ 3,766,210	-	288,811 \$ 5,958,129 \$	5,641,739
INTERCHANGES IN					
Other Catawba Joint Owners	5,164,598	-	-	534,345	2,406,845 2,757,753
Total Interchanges In	5,164,598	-	-	534,345	2,406,845 2,757,753
INTERCHANGES OUT					
Other Catawba Joint Owners	(6,528,333)	(866)	(134,209)	(674,719)	(3,036,237) (3,357,887)
Catawba- Net Negative Generation	(101,441)	-	-	(4,853)	(87,133) (14,306)
Total Interchanges Out	(6,629,774)	(866)	(134,209)	(679,572)	(3,123,370) (3,372,193)
Net Purchases and Interchange Power before PCL	13,900,902	(245)	3,632,001	143,784	5,241,604 5,027,297
Purchased Capacity Levelization	(907,307)	-	(907,307)	-	- -
Net Purchases and Interchange Power after PCL	12,993,595	(245)	2,724,694	143,784	5,241,604 5,027,297

Exhibit A

DUKE ENERGY CAROLINAS INTERSYSTEM SALES* SOUTH CAROLINA FUEL FILING DECEMBER 2009

Schedule 3
SC, Sales, Month
Page 3 of 3

SALES	TOTAL CHARGES	CAPACITY		ENERGY		
		MW	\$	MWH	FUEL \$	NON-FUEL \$
Utilities:						
SC Public Service Authority - Emergency	\$ 23,959	-	\$ -	57	\$ 2,151	\$ 21,808
SC Electric & Gas - Emergency	32,505	-	-	575	26,474	6,031
Market Based:						
American Electric Power Services Corp.	5,500	-	-	100	3,064	2,436
Cargill-Alliant, LLC	477,734	-	-	8,764	276,576	201,158
Cobb Electric Membership Corp	49,750	-	-	900	12,480	37,270
ConocoPhillips Company	11,375	-	-	175	6,266	5,109
Constellation Power Sources	89,650	-	-	1,795	61,814	27,836
Fortis Energy Marketing	6,500	-	-	100	3,098	3,402
LG&E/KU	-	-	-	-	(1)	1
Merrill Lynch Commodities, Inc.	-	-	-	-	(161)	161
MISO	156,278	-	-	2,497	66,582	89,696
Morgan Stanley	-	-	-	-	(394)	394
NCEMC	-	-	-	-	(169)	169
NCEMC (Generator/Instantaneous)	509,665	50	337,500	3,166	152,331	19,834
NCMPA #1	217,550	50	211,000	54	6,973	(423)
NCMPA #1 - Rockingham	157,500	50	157,500	-	-	-
Oglethorpe	59,800	-	-	1,060	34,733	25,067
PJM Interconnection LLC	8,525,642	-	-	152,843	5,479,214	3,046,428
Power South Coop	17,300	-	-	325	11,618	5,682
Progress Energy Carolinas	366,976	-	-	5,995	199,726	167,250
SC Electric & Gas Market based	928,754	-	-	10,450	363,794	564,960
Southern	111,600	-	-	1,860	62,981	48,619
Tenaska Power Services Company	-	-	-	-	(121)	121
The Energy Authority	169,055	-	-	2,910	93,931	75,124
TransAlta Energy Marketing (U.S.) Inc.	-	-	-	-	(139)	139
TVA	421,095	-	-	7,095	322,754	98,341
VEPCO	-	-	-	-	(2,825)	2,825
Westar Energy, Inc.	-	-	-	-	(349)	349
Other:						
Generation Imbalance	29,718	-	-	700	28,854	864
BPM Transmission	(882,794)	-	-	-	-	(882,794)
	<u>\$ 11,485,112</u>	<u>150</u>	<u>\$ 706,000</u>	<u>201,421</u>	<u>\$ 7,211,255</u>	<u>\$ 3,567,857</u>

* Sales for resale other than native load priority.

NOTE(S): Detail amounts may not add to totals shown due to rounding.

Duke Energy Carolinas
Over / (Under) Recovery of Fuel Costs
December 2009
SC Code Ann. §58-27-865 (Supp. 2008)

Line No.			Residential	Commercial	Industrial	Total
1	S.C. Retail kWh sales	Input	582,644,479	445,709,952	636,175,500	1,664,529,931
Base fuel component of recovery						
2	Billed base fuel rate (\$/kWh)	Input	1.9606	1.9606	1.9606	1.9606
3	Billed base fuel expense	L1 * L2 / 100	\$11,423,328	\$8,738,589	\$12,472,857	\$32,634,774
4	Incurred base fuel rate (\$/kWh)	Input	1.7950	1.7950	1.7950	1.7950
5	Incurred base fuel expense	L1 * L4 / 100	\$10,458,468	\$8,000,494	\$11,419,350	\$29,878,312
6	Difference in \$/kWh (Billed - Incurred)	L2 - L4	0.1656	0.1656	0.1656	0.1656
7	Base fuel over/(under) recovery	L1 * L6 / 100	\$964,859	\$738,096	\$1,053,507	\$2,756,462
7a	Prior period adjustment expense _/1	Input	\$0	\$0	\$0	\$0
Environmental component of recovery						
8	Billed rates by class (\$/kWh)	Input	0.0047	0.0058	0.0038	0.0047
9	Billed environmental expense	L8 * L1 / 100	\$27,384	\$25,851	\$24,175	\$77,410
10	Incurred rate by class (\$/kWh)	Input	0.0531	0.0539	0.0357	0.0467
11	Incurred environmental expense	L10 * L1 / 100	\$309,416	\$240,079	\$227,106	\$776,601
12	Difference in \$/kWh (Billed - Incurred)	L8 - L10	(0.0484)	(0.0481)	(0.0319)	(0.0420)
13	Environmental over/(under) recovery	L9 - L11	(\$282,032)	(\$214,228)	(\$202,931)	(\$699,191)
13a	Prior period adjustment expense _/1	Input				\$0
Economic purchase component of recovery						
14	S.C. kWh sales % by class	L1 / L1T	35.00%	26.78%	38.22%	100.00%
15	Economic purchase accrual	L15T * L14	(\$243,868)	(\$186,554)	(\$266,274)	(\$696,695)
15a	Prior period adjustment expense _/1	Input	\$0	\$0	\$0	\$0
Total over/(under) recovery						
16	Current month	L7 + L13 + L15	\$438,959	\$337,314	\$584,302	\$1,360,575
16a	Current month w/adjustments	L16+(7a+13a+15a)	\$438,959	\$337,314	\$584,302	\$1,360,575

	Cumulative	Residential	Commercial	Industrial	Total Company
17 Cumulative over / (under) recovery					
Balance ending May 2009 _/2	47,830,080				
_/1 June	49,160,373	405,693	390,768	533,832	1,330,293
July	54,300,863	1,872,165	1,548,042	1,720,283	5,140,490
August	55,827,421	592,687	458,734	475,137	1,526,558
_/1 September	62,729,558	2,231,657	2,020,534	2,649,946	6,902,137
October	63,384,306	158,746	201,004	294,998	654,748
November	61,153,190	(620,334)	(629,338)	(981,444)	(2,231,116)
December	62,513,765	438,959	337,314	584,302	1,360,575
January					
February					
March					
April					
May					

_/1 Prior period adjustments recalculated using appropriate period sales; therefore, detail calculations not shown. October 2009 forward reflects a change to June through September cumulative balance for the removal of GRT in June 2009 business.

_/2 May 2009 ending balance shown is net of GRT and further reflects the economic purchase adjustment for review period ended 5/31/2009 (commission approved September 2009).

DUKE ENERGY CAROLINAS
FUEL AND FUEL RELATED COST REPORT
December 2009

Description	Allen Steam	Belews Creek Steam	Buck Steam/CT	Buzzard Roost CT	Catawba Nuclear	Cliffside Steam	Dan River Steam/CT	Lee Steam/CT	Lincoln CT	Marshall Steam	McGuire Nuclear	Mill Creek CT	Oconee Nuclear	Riverbend Steam/CT	Rockingham CT	Current Month	Total 12 ME December 2009
Cost of Fuel Received																	
Coal (E) (I)	\$2,598,102	\$45,943,634	\$0	-	-	\$8,737,674	\$148	\$47,994	-	\$22,889,928	-	-	-	\$25,657	-	\$80,243,137	\$1,378,050,057
Fuel Oil	290,602	679,305	-	-	-	48,130	-	-	-	-	-	-	-	122,279	-	1,140,316	11,901,728
Gas	-	-	372	-	-	-	350	12,347	93,029	-	-	9,900	-	600	(5,637)	110,961	6,292,946
Total	\$2,888,704	\$46,622,938	\$372	\$0	-	\$8,785,805	\$498	\$60,341	\$93,029	\$22,889,928	-	\$9,900	-	\$148,535	(\$5,637)	\$81,494,414	1,396,244,731
Received (#/MBTU) Avg																	
Coal	502.84	414.06	-	-	-	395.89	-	-	-	324.47	-	-	-	-	-	384.41	364.95
Fuel Oil	1,442.27	1,525.05	-	-	-	1,545.61	-	-	-	-	-	-	-	1,433.51	-	1,493.81	1,261.25
Gas	-	-	-	-	-	-	-	1,177.03	741.92	-	-	-	-	-	-	816.61	399.96
Weighted Average	538.10	418.50	-	-	-	397.51	-	INF.	741.92	324.47	-	-	-	1,741.33	-	388.73	367.32
Cost of Fuel Burned(\$ (D))																	
Coal (F) (I)	\$13,903,540	\$40,405,692	\$1,249,137	-	-	\$9,233,480	(\$244,486)	\$2,172,691	-	\$33,211,485	-	-	-	\$1,022,889	-	\$100,954,426	\$1,210,365,233
Biomass	-	-	656	-	-	-	-	5,129	-	-	-	-	-	-	-	5,785	135,141
Fuel Oil	205,703	642,697	75,098	-	-	45,840	64,217	54,787	-	125,459	-	-	-	84,622	-	1,303,680	13,155,840
Gas	-	-	372	-	-	-	350	12,347	93,029	-	-	9,900	-	600	(5,637)	110,961	6,292,946
Nuclear	-	-	-	-	6,130,211	-	-	-	-	-	8,120,865	-	9,500,197	-	-	23,751,273	270,972,611
Total	\$14,109,243	\$41,048,389	\$1,324,607	\$0	\$6,130,211	\$9,279,320	(\$179,921)	\$2,239,825	\$93,029	\$33,336,944	\$8,120,865	\$9,900	\$9,500,197	\$1,108,111	(\$5,637)	\$126,120,340	\$1,500,786,630
Burned (#/MBTU) Avg																	
Coal	324.57	312.90	382.98	-	-	290.00	(448.45)	355.20	-	272.67	-	-	-	160.71	-	295.27	354.53
Fuel Oil	1,416.00	1,493.05	1,602.26	-	-	1,466.88	1,778.86	1,492.02	-	1,409.65	-	-	-	1,444.55	-	1,491.20	1,370.14
Gas	-	-	-	-	-	-	-	1,177.03	741.92	-	-	-	-	-	-	816.61	399.96
Nuclear	-	-	-	-	46.98	-	-	-	-	-	46.94	-	50.46	-	-	48.30	46.32
Weighted Average	328.26	316.82	400.37	-	46.98	291.15	(309.53)	363.37	741.92	273.50	46.94	-	50.46	172.51	-	151.10	161.57
Generated (#/kWh) Avg																	
Coal	3.22	2.93	4.58	-	-	2.87	(6.64)	3.76	-	2.54	-	-	-	1.71	-	2.81	3.38
Fuel Oil	-	-	(B)	(B)	-	-	(B)	(B)	-	-	-	(B)	-	(B)	(B)	(B)	(B)
Gas	-	-	-	-	-	-	-	(B)	(B)	-	-	-	-	-	-	(B)	4.98
Nuclear	-	-	-	-	0.47	-	-	-	-	-	0.47	-	0.51	-	-	0.49	0.47
Weighted Average	3.27	2.98	4.86	(B)	0.47	2.89	(4.98)	3.87	(B)	2.55	0.47	(B)	0.51	1.86	(B)	1.49	1.60
Burned MBTU's																	
Coal	4,283,661	12,913,396	326,159	-	-	3,183,985	54,518	611,677	-	12,180,290	-	-	-	636,489	-	34,190,175	341,402,885
Fuel Oil (H)	14,527	43,046	4,687	-	-	3,125	3,610	3,672	-	8,900	-	-	-	5,858	-	87,425	960,181
Gas	-	-	-	-	-	-	-	1,049	-	-	-	-	-	-	-	13,588	1,573,407
Nuclear	-	-	-	-	13,048,318	-	-	-	12,539	-	17,302,130	-	18,827,901	-	-	49,178,349	584,953,564
Total	4,298,188	12,956,442	330,846	-	13,048,318	3,187,110	58,128	616,398	12,539	12,189,190	17,302,130	-	18,827,901	642,347	-	83,469,537	928,890,036
Net Generation (mWh)																	
Coal (G)	431,862	1,378,316	27,272	-	-	321,593	3,683	57,847	-	1,307,822	-	-	-	59,789	-	3,588,184	35,794,714
Fuel Oil	-	-	(29)	(132)	-	-	(70)	(18)	-	-	-	(382)	-	(75)	(448)	(1,154)	(6,910)
Gas	-	-	-	-	-	-	-	(23)	(84)	-	-	-	-	-	-	(107)	126,344
Nuclear	-	-	-	-	1,300,413	-	-	-	-	-	1,720,666	-	1,864,506	-	-	4,885,585	57,819,243
Total	431,862	1,378,316	27,243	(132)	1,300,413	321,593	3,613	57,806	(84)	1,307,822	1,720,666	(382)	1,864,506	59,714	(448)	8,472,508	93,733,391
Cost of Reagents Burned (\$)																	
Ammonia	-	676,402	-	-	-	153,856	-	-	-	-	-	-	-	-	-	830,258	5,824,130
Limestone	318,323	1,071,969	-	-	-	-	-	-	-	685,297	-	-	-	-	-	2,075,588	13,217,303
Urea	102,183	-	5,001	-	-	547,765	-	-	-	-	-	-	-	-	-	654,949	3,888,052
Organic Acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	420,506	1,748,371	5,001	-	-	701,621	-	-	-	685,297	-	-	-	-	-	3,560,796	22,929,485

(A) Detail amounts may not add to totals shown due to rounding.

(B) Cents/kWh not computed when costs and/or net generation is negative.

(C) Fuel costs based on recoverability unless otherwise noted. Data reflected at 100% ownership.

(D) Cost of fuel burned excludes \$31,979 associated with emission allowance expense for the month and \$739,318 for the twelve months ended.

(E) Fuel received includes 0,000 tons and \$0,000 associated with Biomass (wood product) test fuel at Buck & Lee for the month, as well as 5,168 tons and \$149,396 for the twelve months ended.

(F) Fuel burned includes 0,221 tons and \$5,785 associated with Biomass (wood product) test burn at Buck & Lee for the month, as well as 4,555 tons and \$135,141 for the twelve months ended.

(G) Net generation (MWh) includes 0,219 MWh associated with the co-burn of Biomass (wood product) at Buck & Lee for the month and 3,689 MWh for the twelve months ended.

(H) Twelve months ended November 2009 forward reflects corrections to the fuel oil MBTUs and the associated data for the months of Feb09, Mar09, and Apr09.

(I) Twelve months ended December 2009 forward reflects a change to fuel cost and associated data for coal/biomass in Sep09.

DUKE ENERGY CAROLINAS
FUEL AND FUEL RELATED CONSUMPTION AND INVENTORY REPORT
December 2009

Description	Allen Steam	Belews Creek Steam	Buck Steam/CT	Buzzard Roost CT	Cliffside Steam	Dan River Steam/CT	Lee Steam/CT	Lincoln CT	Marshall Steam	Mill Creek CT	Riverbend Steam/CT	Rockingham CT	Current Month	Total 12 ME December 2009
Coal Data:														
Beginning balance	779,503	1,525,222	243,548		363,177	117,710	251,563		1,039,694		331,147		4,651,564	2,641,767
Tons received during period (E)	21,877	452,189	-		92,108	-	-		283,342		-		849,516	15,337,671
Moisture adjustments	126	407	-		598	-	-		7		-		1,138	(19,426)
Tons burned during period (B) (F)	144,149	401,288	14,012		100,906	(2,844)	26,781		417,411		12,208		1,113,911	13,571,706
Ending balance	657,357	1,576,530	229,536		354,977	120,554	224,782		905,631		318,939		4,388,307	4,388,307
MBTUs per ton burned	29.72	32.18	23.28		31.55	(19.17)	22.84		29.18		52.14		30.69	25.16
Cost of ending inventory (\$/ton)	96.14	99.86	89.09		90.23	79.46	81.61		80.34		84.58		91.33	91.33
Fuel Oil Data:														
Beginning balance	171,474	243,108	574,067	1,536,309	78,552	175,468	549,364	8,844,481	331,259	3,944,789	266,385	2,254,372	18,969,628	19,538,559
Gallons received during period	146,315	322,838	-	-	22,598	-	-	-	-	-	61,607	-	553,358	6,822,602
Miscellaneous usage, transfers and adjustments	(6,434)	(9,835)	(600)	-	-	(1,681)	(1,958)	-	(17,932)	-	(1,118)	-	(39,558)	(569,490)
Gallons burned during period	105,489	311,989	33,981	-	22,682	26,211	26,461	-	64,338	-	42,311	-	633,462	6,941,705
Ending balance	205,866	244,122	539,486	1,536,309	78,468	147,576	520,945	8,844,481	248,989	3,944,789	284,563	2,254,372	18,849,966	18,849,966
Cost of ending inventory (\$/gal)	1.94	2.07	2.21	0.79	2.01	2.46	2.06	1.60	1.95	1.25	2.00	2.34	1.61	1.61
Gas Data: (C)														
Beginning balance														
MCF received during period			-	-		-	1,030	12,329		-	-	-	13,359	1,517,328
MCF burned during period			-	-		-	1,030	12,329		-	-	-	13,359	1,517,328
Ending balance														
Cost of ending inventory (\$/mcf)														
Limestone Data:														
Beginning balance	21,446	36,745							46,403				104,595	117,625
Tons received during period	-	20,723							14,117				34,840	406,989
Tons burned during period	9,854	39,421							26,521				75,796	460,976
Ending balance	11,593	18,047							33,999				63,639	63,639
Cost of ending inventory (\$/ton)	30.94	21.16							25.50				25.26	25.26

(A) Detail amounts may not add to totals shown due to rounding.

(B) Twelve months ended includes aerial survey adjustment(s) reflected in the tons burned and cost of inventory lines for coal and limestone. Adjustments as needed are made in December of each year.

(C) Gas is burned as received; therefore, inventory balances are not maintained.

(E) Fuel received includes 0,000 tons and \$0,000 associated with Biomass (wood product) test fuel at Buck & Lee for the month, as well as 5,168 tons and \$149,396 for the twelve months ended.

(F) Fuel burned includes 0,221 tons and \$5,785 associated with Biomass (wood product) test burn at Buck & Lee for the month, as well as 4,555 tons and \$135,141 for the twelve months ended.

(H) Twelve months ended December 2009 forward reflects a change for the correct placement of an inventory adjustment made in September 2009.

SCHEDULE 7

**DUKE ENERGY CAROLINAS
ANALYSIS OF COAL PURCHASES
December 2009**

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
ALLEN	SPOT	-	\$ -	\$ -
	CONTRACT	21,877	2,336,094.08	106.78
	ADJUSTMENTS	-	262,007.51	-
	TOTAL	21,877	2,598,101.59	118.76
BELEWS CREEK	SPOT	-	-	-
	CONTRACT	452,189	44,354,744.91	98.09
	ADJUSTMENTS	-	1,588,888.94	-
	TOTAL	452,189	45,943,633.85	101.60
BUCK	SPOT	-	-	-
	CONTRACT	-	-	-
	ADJUSTMENTS	-	-	-
	TOTAL	-	-	-
CLIFFSIDE	SPOT	-	-	-
	CONTRACT	92,108	8,174,969.25	88.75
	ADJUSTMENTS	-	562,705.19	-
	TOTAL	92,108	8,737,674.44	94.86
DAN RIVER	SPOT	-	-	-
	CONTRACT	-	-	-
	ADJUSTMENTS	-	147.86	-
	TOTAL	-	147.86	-
LEE	SPOT	-	-	-
	CONTRACT	-	(11,044.48)	-
	ADJUSTMENTS	-	59,038.85	-
	TOTAL	-	47,994.37	-
MARSHALL	SPOT	-	-	-
	CONTRACT	283,342	20,888,310.04	73.72
	ADJUSTMENTS	-	2,001,618.29	-
	TOTAL	283,342	22,889,928.33	80.79
RIVERBEND	SPOT	-	-	-
	CONTRACT	-	-	-
	ADJUSTMENTS	-	25,656.69	-
	TOTAL	-	25,656.69	-
ALL PLANTS	SPOT	-	-	-
	CONTRACT	849,516	75,743,073.80	89.16
	ADJUSTMENTS	-	4,500,063.33	-
	TOTAL	849,516	\$ 80,243,137.13	\$ 94.46

SCHEDULE 8

Duke Energy Carolinas
Analysis of Quality of Coal Received
December 2009

Station	<u>Percent Moisture</u>	<u>Percent Ash</u>	<u>Heat Value</u>	<u>Percent Sulfur</u>
Allen	8.68	11.73	11,809	0.71
Belews Creek	6.99	10.93	12,269	0.87
Buck	-	-	-	-
Cliffside	7.58	12.13	11,981	0.85
Dan River	-	-	-	-
Lee	-	-	-	-
Marshall	7.39	9.81	12,449	1.57
Riverbend	-	-	-	-

Schedule 9

Duke Energy Carolinas
Analysis of Cost of Oil Purchases
December 2009

Station	Allen	Belews Creek	Cliffside 5	Riverbend
Vendor	HighTowers	HighTowers	HighTowers	HighTowers
Spot / Contract	Contract	Contract	Contract	Contract
Sulfur Content %	0.01	0.01	0	0.03
Gallons Received	146,315	322,838	22,598	61,607
Total Delivered Cost	\$ 290,602.33	\$ 679,304.64	\$ 48,130.24	\$ 122,278.73
Delivered Cost/Gal	\$ 1.99	\$ 2.10	\$ 2.13	\$ 1.98
BTU/Gallon	137,710	137,972	137,792	138,455

DUKE ENERGY CAROLINAS
POWER PLANT PERFORMANCE DATA
TWELVE MONTHS SUMMARY

January, 2009 - December, 2009

<u>Plant Name</u>	<u>Generation MWH</u>	<u>Capacity Rating MW</u>	<u>Capacity Factor %</u>	<u>Net Equivalent Availability %</u>
Oconee	20,892,237	2,538	93.97	91.91
McGuire	19,014,743	2,200	98.67	94.72
Catawba	17,912,263	2,258	90.56	88.52

Duke Energy Carolinas
Power Plant Performance Data
Twelve Month Summary

January 2009 through December 2009

Schedule 10

Page 2 of 6

Exhibit A

Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Belews Creek 1	7,168,179	1,110	73.72	82.30
Belews Creek 2	7,496,150	1,110	77.09	89.89

Duke Energy Carolinas
Power Plant Performance Data
Twelve Month Summary

January 2009 through December 2009

Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Cliffside 5	3,226,082	562	65.53	90.64
Marshall 1	1,760,472	380	52.89	86.66
Marshall 2	1,584,831	380	47.61	87.28
Marshall 3	4,774,850	658	82.84	89.26
Marshall 4	4,569,618	660	79.04	89.92

**Duke Energy Carolinas
Power Plant Performance Data**

Schedule 10

Page 4 of 6

Exhibit A

**Twelve Month Summary
January 2009 through December 2009**

Other Cycling Coal Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Allen 1	281,687	165	19.49	87.51
Allen 2	272,472	165	18.85	93.75
Allen 3	988,567	265	42.58	92.64
Allen 4	1,064,147	280	43.38	89.08
Allen 5	1,056,206	270	44.66	93.35
Buck 3	12,977	75	1.98	98.97
Buck 4	4,237	38	1.27	98.97
Buck 5	181,803	128	16.21	97.52
Buck 6	221,278	128	19.73	91.25
Cliffside 1	4,173	38	1.25	98.49
Cliffside 2	6,699	38	2.01	99.09
Cliffside 3	15,161	61	2.84	98.60
Cliffside 4	17,225	61	3.22	99.23
Dan River 1	23,280	67	3.97	93.99
Dan River 2	31,239	67	5.32	94.97
Dan River 3	117,240	142	9.43	91.69
Lee 1	60,700	100	6.93	91.38
Lee 2	69,565	100	7.94	90.58
Lee 3	297,160	170	19.95	93.34
Riverbend 4	52,265	94	6.35	95.63
Riverbend 5	54,726	94	6.65	95.82
Riverbend 6	185,598	133	15.93	89.06
Riverbend 7	196,127	133	16.83	89.63

Duke Energy Carolinas
Power Plant Performance Data
Twelve Month Summary

January, 2009 through December, 2009

Combustion Turbines

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Buck CT	-377	93	100.00
Buzzard Roost CT	-1,348	196	100.00
Dan River CT	-379	85	67.67
Lee CT	576	82	98.76
Lincoln CT	5,268	1,264	99.45
Mill Creek CT	488	592	98.48
Riverbend CT	-987	120	67.29
Rockingham CT	116,193	825	96.10

Duke Energy Carolinas

Exhibit A
Schedule 10
Page 6 of 6

Power Plant Performance

12 Months Ended December 09

Name of Plant	Generation (MWH)	Capacity Rating (MW)	Operating Availability (%)
Conventional Hydro Plants			
Bridgewater	59,177	23.000	95.97
Buzzard Roost	-	-	100.00
Cedar Creek	146,067	45.000	95.79
Cowans Ford	162,152	325.000	97.87
Dearborn	154,502	42.000	93.91
Fishing Creek	156,939	49.000	98.62
Gaston Shoals	17,953	4.600	61.20
Great Falls	9,466	24.000	41.57
Keowee	49,464	157.500	94.07
Lookout Shoals	95,423	27.000	95.76
Mountain Island	115,325	62.000	98.67
Ninety Nine Island	62,370	18.000	61.67
Oxford	111,695	40.000	99.00
Rhodhiss	67,701	30.500	99.59
Rocky Creek	3,295	28.000	10.14
Tuxedo	18,778	6.400	49.27
Wateree	234,777	85.000	91.12
Wylie	154,807	72.000	97.09
Nantahala	205,663	50.000	73.58
Queens Creek	4,575	1.440	96.38
Thorpe	93,137	19.700	98.60
Tuckasegee	8,060	2.500	98.12
Tennessee Creek	41,637	9.800	96.82
Bear Creek	32,537	9.450	99.91
Cedar Cliff	23,992	6.380	100.00
Mission	938	1.800	81.15
Franklin	(8)	1.040	50.00
Bryson	585	1.040	99.54
Dillsboro	-	0.230	50.00
Total Conventional	<u>2,031,006</u>		
Pumped Storage Plants			
Jocassee	926,568	730.000	96.77
Bad Creek	1,917,824	1,360.000	94.45
Total	<u>2,844,392</u>		
Less Energy for Pumping			
Jocassee	(1,148,967)		
Bad Creek	(2,417,800)		
Total	<u>(3,566,767)</u>		
Total Pumped Storage			
Jocassee	(222,399)		
Bad Creek	(499,976)		
Total	<u>(722,375)</u>		

DUKE ENERGY CAROLINAS
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN

PERIOD: December, 2009

PLANT	UNIT	DATE OF OUTAGE	DURATION OF OUTAGE	SCHEDULED / UNSCHEDULED	CAUSE OF OUTAGE	REASON OUTAGE OCCURRED	REMEDIAL ACTION TAKEN
Oconee	1	12/01/2009-12/02/2009	33.00	UNSCHEDULED	OUTAGE DELAYED 1.38 DAYS DUE TO REACTOR COOLANT VALVE SEAT LEAK	FOREIGN MATERIAL IN VALVE 1RC-159 INTERNALS AND AT THE BOTTOM OF THE VALVE BODY.	VALVE INTERNALS WERE REPLACED
		12/02/2009-12/03/2009	17.00	UNSCHEDULED	OUTAGE DELAYED 0.71 DAYS DUE TO TURBINE CONTROL SYSTEM UNEXPECTED RESPONSE	TURBINE MANUALLY TRIPPED DURING STARTUP DUE TO EXCEEDING 250 RPM PROCEDURE LIMIT	REVISED RPM LEVEL FOR MANUAL TURBINE TRIP OF 500 RPM FOR OPERATION PROCEDURE
		12/03/2009-12/03/2009	4.00	UNSCHEDULED	OUTAGE DELAYED 0.17 DAYS DUE TO NUCLEAR INSTRUMENTATION CALIBRATION	OUTAGE SCHEDULE DID NOT INCLUDE TIME TO CALIBRATE POWER RANGE INSTRUMENTATION WITHIN 24 HOURS OF EXCEEDING 15% REACTOR POWER.	CALIBRATION WAS COMPLETED AS REQUIRED AND WILL BE INCLUDED IN OUTAGE SCHEDULE
		12/03/2009-12/04/2009	18.00	UNSCHEDULED	OUTAGE DELAYED 0.75 DAYS DUE TO ZERO POWER PHYSICS TESTING	ADDITIONAL WORK SCOPE TO MEASURE CONTROL ROD GROUP 5 DUE TO UNANTICIPATED CONTROL ROD REPLACEMENT.	ZERO POWER PHYSICS TESTING WAS COMPLETED
		12/04/2009-12/04/2009	4.77	UNSCHEDULED	OUTAGE DELAYED 0.20 DAYS DUE TO BALANCING 1B2 REACTOR COOLANT PUMP	1B2 REACTOR COOLANT PUMP HIGHER THAN NORMAL VIBRATION	1B2 REACTOR COOLANT PUMP BALANCING COMPLETED
		None					
McGuire	2	None					
	3	None					
McGuire	1	None					
	2	None					
Catawba	1	11/21/2009-12/14/2009	331.75	SCHEDULED	END-OF-CYCLE 18 REFUELING OUTAGE	REFUEL AND MAINTENANCE	REFUEL AND MAINTENANCE
		12/14/2009-12/15/2009	8.67	SCHEDULED	OUTAGE EXTENDED 0.36 DAYS DUE TO 1A REACTOR COOLANT PUMP SEAL REPLACEMENT	EXCESSIVE SEAL LEAKOFF FLOW FROM 1A REACTOR COOLANT PUMP SEAL	1A REACTOR COOLANT PUMP SEAL REPLACED
		12/15/2009-12/15/2009	4.02	SCHEDULED	MAIN TURBINE OVERSPEED TRIP TEST	POST REFUEL TESTING	POST REFUEL TESTING
Catawba Cont.	2	None					

**Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan**

Exhibit B
Page 2 of 16

December 2009

Belews Creek Steam Station

Unit	Duration of Outage	Type of Outage	Cause of Outage	Reason Outage Occurred	Remedial Action Taken
02	12/4/2009 11:15:00 PM To 12/6/2009 2:04:00 PM	Sch	1060 FIRST REHEATER LEAKS	reheat tube leak	

Unit	Duration of Outage	Type of Outage	Cause of Outage	Reason Outage Occurred	Remedial Action Taken
02	12/27/2009 7:30:00 AM To 12/28/2009 6:37:00 PM	Unsch	1080 ECONOMIZER LEAKS	econ. tube leak	

DUKE ENERGY CAROLINAS
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN
December, 2009
Oconee Nuclear Station

Exhibit B
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	UNIT 1		UNIT 2		UNIT 3	
(A) MDC (MW)	846		846		846	
(B) Period Hours	744		744		744	
(C1) Net Gen (MWH) and Capacity Factor	567553	90.17	646335	102.69	650618	103.37
(D1) Net MWH Not Gen Due To Full Scheduled Outages	0	0.00	0	0.00	0	0.00
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	7230	1.15	280	0.04	1000	0.16
(E1) Net MWH Not Gen Due To Full Forced Outages	64947	10.32	0	0.00	0	0.00
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-10306	-1.64	-17191	-2.73	-22194	-3.53
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00	0	0.00
* (G) Core Conservation	0	* 0.00	0	0.00	0	0.00
(H) Net MWH Possible In Period	629424	100.00 %	629424	100.00 %	629424	100.00 %
(I) Equivalent Availability		88.47		99.95		99.84
(J) Output Factor		100.55		102.69		103.37
(K) Heat Rate		10,238		10,080		9,994

*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

DUKE ENERGY CAROLINAS
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN
December, 2009
McGuire Nuclear Station

Exhibit B
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	UNIT 1		UNIT 2	
(A) MDC (MW)	1100		1100	
(B) Period Hours	744		744	
(C1) Net Gen (MWH) and Capacity Factor	856963	104.71	863703	105.54
(D1) Net MWH Not Gen Due To Full Scheduled Outages	0	0.00	0	0.00
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	0	0.00	0	0.00
(E1) Net MWH Not Gen Due To Full Forced Outages	0	0.00	0	0.00
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-38563	-4.71	-45303	-5.54
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	818400	100.00 %	818400	100.00 %
(I) Equivalent Availability		100.00		100.00
(J) Output Factor		104.71		105.54
(K) Heat Rate		10,094		10,017

*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

DUKE ENERGY CAROLINAS
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN
December, 2009
Catawba Nuclear Station

Exhibit B
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	UNIT 1		UNIT 2	
(A) MDC (MW)	1129		1129	
(B) Period Hours	744		744	
(C1) Net Gen (MWH) and Capacity Factor	432789	51.52	867624	103.29
(D1) Net MWH Not Gen Due To Full Scheduled Outages	388873	46.30	0	0.00
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	18215	2.17	0	0.00
(E1) Net MWH Not Gen Due To Full Forced Outages	0	0.00	0	0.00
* (E2) Net MWH Not Gen Due To Partial Forced Outages	99	0.01	-27648	-3.29
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	839976	100.00 %	839976	100.00 %
(I) Equivalent Availability		50.59		100.00
(J) Output Factor		95.94		103.29
(K) Heat Rate		10,183		9,959

*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

**Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan**

Exhibit B
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December 2009

Belews Creek Steam Station

	<u>Unit 1</u>	<u>Unit 2</u>
(A) MDC (mw)	1,110	1,110
(B) Period Hrs	744	744
(C1) Net Generation (mWh)	744,711	633,605
(C1) Capacity Factor	90.18	76.72
(D1) Net mWh Not Generated due to Full Scheduled Outages	0	43,087
(D1) Scheduled Outages: percent of Period Hrs	0.00	5.22
(D2) Net mWh Not Generated due to Partial Scheduled Outages	16,627	0
(D2) Scheduled Derates: percent of Period Hrs	2.01	0.00
(E1) Net mWh Not Generated due to Full Forced Outages	0	38,980
(E1) Forced Outages: percent of Period Hrs	0.00	4.72
(E2) Net mWh Not Generated due to Partial Forced Outages	9,982	313
(E2) Forced Derates: percent of Period Hrs	1.21	0.04
(F) Net mWh Not Generated due to Economic Dispatch	54,520	109,855
(F) Economic Dispatch: percent of Period Hrs	6.60	13.30
(G) Net mWh Possible in Period	825,840	825,840
(H) Equivalent Availability	96.56	90.02
(I) Output Factor (%)	90.18	85.19
(J) Heat Rate (BTU/NkWh)	9,207	9,628

*Estimated

Footnote: (J) Includes Light Off BTU's

**Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan**

**Exhibit B
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**December 2009
Marshall Steam Station**

	Marshall 1	Marshall 2	Marshall 3	Marshall 4
(A) MDC (mWh)	380	380	658	660
(B) Period Hrs	744	744	744	744
(C1) Net Generation (mWh)	170,611	209,244	463,313	464,654
(D) Net mWh Possible in Period	282,720	282,720	489,552	491,040
(E) Equivalent Availability	86.90	96.41	99.97	99.75
(F) Output Factor (%)	85.05	85.00	94.64	94.63
(G) Capacity Factor	60.35	74.01	94.64	94.63

DUKE ENERGY CAROLINAS
Base Load Power Plant
Performance Review Plan

Exhibit B
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December 2009
Cliffside Steam Station

Cliffside 5

(A) MDC (mWh)	562
(B) Period Hrs	744
(C1) Net Generation (mWh)	322,328
(D) Net mWh Possible in Period	418,128
(E) Equivalent Availability	99.97
(F) Output Factor (%)	85.61
(G) Capacity Factor	77.09

DUKE ENERGY CAROLINAS
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN
January, 2009 - December, 2009
Oconee Nuclear Station

Exhibit B
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	UNIT 1		UNIT 2		UNIT 3	
(A) MDC (MW)	846		846		846	
(B) Period Hours	8760		8760		8760	
(C1) Net Gen (MWH) and Capacity Factor	6310555	85.15	7606988	102.65	6974694	94.11
(D1) Net MWH Not Gen Due To Full Scheduled Outages	826500	11.15	0	0.00	541863	7.31
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	24179	0.33	912	0.01	-2167	-0.03
(E1) Net MWH Not Gen Due To Full Forced Outages	329703	4.45	0	0.00	65607	0.89
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-79977	-1.08	-196940	-2.66	-169037	-2.28
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00	0	0.00
* (G) Core Conservation	0	0.00	0	0.00	0	0.00
(H) Net MWH Possible In Period	7410960	100.00 %	7410960	100.00 %	7410960	100.00 %
(I) Equivalent Availability		84.10		99.99		91.64
(J) Output Factor		100.89		102.65		102.52
(K) Heat Rate		10,241		10,088		10,100

*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

DUKE ENERGY CAROLINAS
 BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN
 January, 2009 - December, 2009
 McGuire Nuclear Station

Exhibit B
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	UNIT 1		UNIT 2	
(A) MDC (MW)	1100		1100	
(B) Period Hours	8760		8760	
(C1) Net Gen (MWH) and Capacity Factor	9999078	103.77	9015665	93.56
(D1) Net MWH Not Gen Due To Full Scheduled Outages	0	0.00	897600	9.32
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	1015	0.01	52074	0.54
(E1) Net MWH Not Gen Due To Full Forced Outages	0	0.00	40128	0.42
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-364093	-3.78	-369467	-3.84
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	9636000	100.00 %	9636000	100.00 %
(I) Equivalent Availability		99.97		89.46
(J) Output Factor		103.77		103.65
(K) Heat Rate		10,183		10,129

*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

DUKE ENERGY CAROLINAS
 BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN
 January, 2009 - December, 2009
 Catawba Nuclear Station

Exhibit B
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	UNIT 1		UNIT 2	
(A) MDC (MW)	1129		1129	
(B) Period Hours	8760		8760	
(C1) Net Gen (MWH) and Capacity Factor	9002040	91.02	8910223	90.09
(D1) Net MWH Not Gen Due To Full Scheduled Outages	1043975	10.56	1113149	11.26
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	29028	0.29	43144	0.44
(E1) Net MWH Not Gen Due To Full Forced Outages	0	0.00	45702	0.46
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-185003	-1.87	-222178	-2.25
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	9890040	100.00 %	9890040	100.00 %
(I) Equivalent Availability		89.13		87.92
(J) Output Factor		101.76		102.05
(K) Heat Rate		10,070		10,028

*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

**Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan**

Exhibit B
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January 2009 through December 2009

Belews Creek Steam Station

	<u>Unit 1</u>	<u>Unit 2</u>
(A) MDC (mw)	1,110	1,110
(B) Period Hrs	8,760	8,760
(C1) Net Generation (mWh)	7,168,179	7,496,150
(C1) Capacity Factor	73.72	77.09
(D1) Net mWh Not Generated due to Full Scheduled Outages	1,553,075	308,062
(D1) Scheduled Outages: percent of Period Hrs	15.97	3.17
(D2) Net mWh Not Generated due to Partial Scheduled Outages	52,251	19,383
(D2) Scheduled Derates: percent of Period Hrs	0.34	0.20
(E1) Net mWh Not Generated due to Full Forced Outages	87,319	641,619
(E1) Forced Outages: percent of Period Hrs	0.90	6.60
(E2) Net mWh Not Generated due to Partial Forced Outages	26,826	13,617
(E2) Forced Derates: percent of Period Hrs	0.28	0.14
(F) Net mWh Not Generated due to Economic Dispatch	835,949	1,244,769
(F) Economic Dispatch: percent of Period Hrs	8.60	12.80
(G) Net mWh Possible in Period	9,723,600	9,723,600
(H) Equivalent Availability	82.30	89.89
(I) Output Factor (%)	90.81	86.95
(J) Heat Rate (BTU/NkWh)	9,248	9,421

*Estimated

Footnote: (J) Includes Light Off BTU's

**Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan**

Exhibit B
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January 2009 through December 2009

Marshall Steam Station

	Marshall 1	Marshall 2	Marshall 3	Marshall 4
(A) MDC (mWh)	380	380	658	660
(B) Period Hrs	8,760	8,760	8,760	8,760
(C1) Net Generation (mWh)	1,760,472	1,584,831	4,774,850	4,569,618
(D) Net mWh Possible in Period	3,328,800	3,328,800	5,764,080	5,781,600
(E) Equivalent Availability	86.66	87.28	89.26	89.92
(F) Output Factor (%)	76.91	75.44	91.38	87.62
(G) Capacity Factor	52.89	47.61	82.84	79.04

**Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan**

**Exhibit B
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January 2009 through December 2009

Cliffside Steam Station

Cliffside 5

(A) MDC (mWh)	562
(B) Period Hrs	8,760
(C1) Net Generation (mWh)	3,226,082
(D) Net mWh Possible in Period	4,923,120
(E) Equivalent Availability	90.64
(F) Output Factor (%)	80.48
(G) Capacity Factor	65.53

DUKE ENERGY CAROLINAS
Outages for 100MW or Larger Units
December,2009

Full Outage Hours					
	<u>Unit</u>	<u>MW</u>	<u>Scheduled</u>	<u>Unscheduled</u>	<u>Total</u>
Oconee	1	846	0.00	76.77	76.77
	2	846	0.00	0.00	0.00
	3	846	0.00	0.00	0.00
McGuire	1	1100	0.00	0.00	0.00
	2	1100	0.00	0.00	0.00
Catawba	1	1129	344.44	0.00	344.44
	2	1129	0.00	0.00	0.00

Duke Energy Carolinas
Outages for 100 mW or Larger Units
December 2009

Exhibit B
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Unit Name	Capacity Rating (mW)	Full Outage Hours		Total Outage Hours
		Scheduled	Unscheduled	
Allen 1	165	5.75	0.00	5.75
Allen 2	165	0.00	0.00	0.00
Allen 3	265	4.00	0.00	4.00
Allen 4	280	0.00	33.05	33.05
Allen 5	270	5.50	0.00	5.50
Belews Creek 1	1,110	0.00	0.00	0.00
Belews Creek 2	1,110	38.82	35.12	73.93
Buck 5	128	13.25	0.00	13.25
Buck 6	128	0.00	248.78	248.78
Cliffside 5	562	0.00	0.00	0.00
Dan River 3	142	0.00	0.00	0.00
Lee 1	100	0.00	0.00	0.00
Lee 2	100	0.00	0.00	0.00
Lee 3	170	0.00	0.00	0.00
Marshall 1	380	18.83	77.13	95.97
Marshall 2	380	26.33	0.00	26.33
Marshall 3	658	0.00	0.00	0.00
Marshall 4	660	0.00	0.00	0.00
Riverbend 6	133	6.75	19.72	26.47
Riverbend 7	133	14.37	16.52	30.88
Rockingham CT1	165	69.00	0.00	69.00
Rockingham CT2	165	51.50	0.00	51.50
Rockingham CT3	165	55.22	0.00	55.22
Rockingham CT4	165	53.43	0.00	53.43
Rockingham CT5	165	46.35	0.00	46.35

The appropriate schedules have been revised due to changes in event data for Catawba (Unit 1) in November 2009.

List of Revisions:

(included with December 2009 Monthly Fuel Filing)

Nov09

Revised, Exhibit B, Page 1 of 16	(SC)
Revised, Exhibit B, Page 5 of 16	(SC)
Revised, Exhibit B, Page 11 of 16	(SC)

DUKE ENERGY CAROLINAS
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN

REVISED

PERIOD: November, 2009

PLANT	UNIT	DATE OF OUTAGE	DURATION OF OUTAGE	SCHEDULED / UNSCHEDULED	CAUSE OF OUTAGE	REASON OUTAGE OCCURRED	REMEDIAL ACTION TAKEN
Oconee	1	10/10/2009-11/17/2009	408.05	SCHEDULED	END-OF-CYCLE 25 REFUELING OUTAGE	REFUEL AND MAINTENANCE	REFUEL AND MAINTENANCE
		11/17/2009-12/01/2009	312.95	UNSCHEDULED	OUTAGE DELAY OF 13.04 DAYS DUE TO DAMAGED FUEL ASSEMBLIES	INADEQUATE GAP BETWEEN FUEL ASSEMBLIES. THIS ALLOWED UPPER REACTOR INTERNALS TO CONTACT AND DAMAGE FUEL ASSEMBLIES DURING REACTOR HEAD REASSEMBLY	DAMAGED FUEL ASSEMBLIES WERE REMOVED/INSPECTED/REPLACED AND PROCEDURES AND PROCESSES REVISED TO ENSURE ADEQUATE GAP MAINTAINED DURING REASSEMBLY OF REACTOR INTERNALS
	2	None					
McGuire	3	None					
	1	None					
Catawba	2	None					
	1	11/06/2009-11/21/2009	344.25	SCHEDULED	1A REACTOR COOLANT PUMP SEAL MALFUNCTION	EXCESSIVE REACTOR COOLANT PUMP SEAL LEAKAGE	REACTOR COOLANT PUMP SEAL PACKAGE REPLACED
		11/21/2009-12/01/2009	236.00	SCHEDULED	END-OF-CYCLE 18 REFUELING OUTAGE	REFUEL AND MAINTENANCE	REFUEL AND MAINTENANCE
	2	None					

DUKE ENERGY CAROLINAS
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN
November, 2009
Catawba Nuclear Station

	UNIT 1		UNIT 2	
(A) MDC (MW)	1129		1129	
(B) Period Hours	721		721	
(C1) Net Gen (MWH) and Capacity Factor	149288	18.34	837532	102.89
(D1) Net MWH Not Gen Due To Full Scheduled Outages	655102	80.48	0	0.00
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	9619	1.18	0	0.00
(E1) Net MWH Not Gen Due To Full Forced Outages	0	0.00	0	0.00
* (E2) Net MWH Not Gen Due To Partial Forced Outages	0	0.00	-23523	-2.89
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	814009	100.00 %	814009	100.00 %
(I) Equivalent Availability		19.08		100.00
(J) Output Factor		93.95		102.89
(K) Heat Rate		10,338		9,992

*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

DUKE ENERGY CAROLINAS
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN
December, 2008 - November, 2009
Catawba Nuclear Station

	UNIT 1		UNIT 2	
(A) MDC (MW)	1129		1129	
(B) Period Hours	8760		8760	
(C1) Net Gen (MWH) and Capacity Factor	9431495	95.36	8912783	90.12
(D1) Net MWH Not Gen Due To Full Scheduled Outages	655102	6.62	1113149	11.26
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	10813	0.11	43144	0.44
(E1) Net MWH Not Gen Due To Full Forced Outages	0	0.00	45702	0.46
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-207370	-2.09	-224738	-2.28
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	9890040	100.00 %	9890040	100.00 %
(I) Equivalent Availability		93.27		87.92
(J) Output Factor		102.13		102.08
(K) Heat Rate		10,055		10,026

*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses